

Fig.2

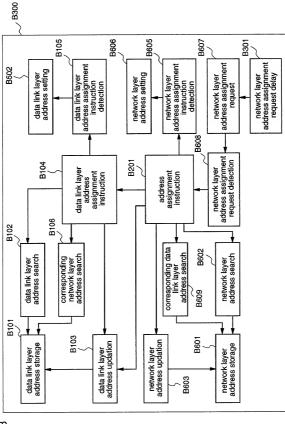


Fig.

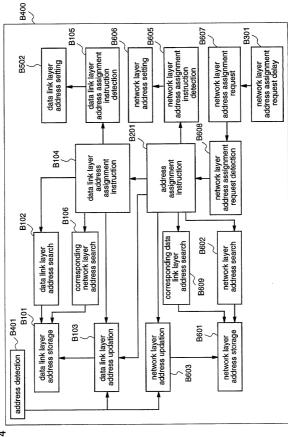
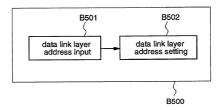


Fig.4

Fig.5 Prior Art



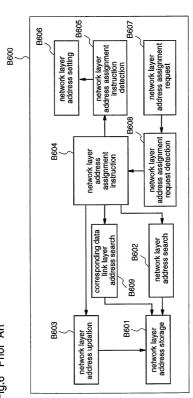


Fig.6 Prior Art

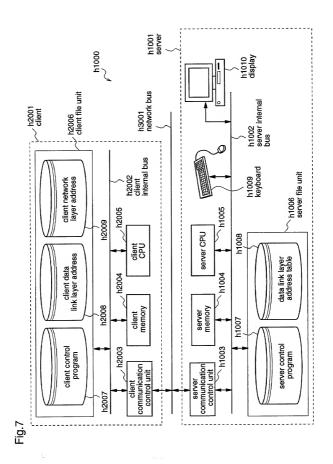
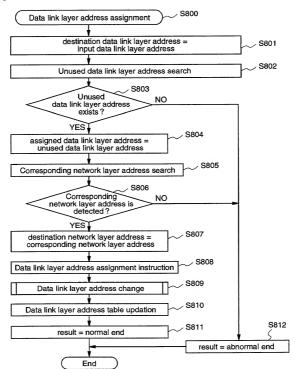


Fig.8



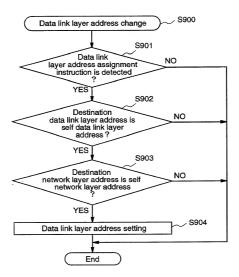
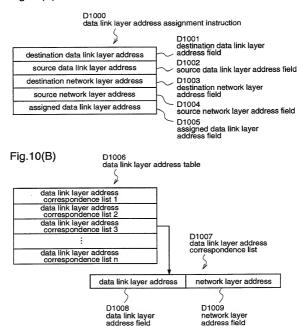


Fig.10(A)



### (a1) address state of server

` '	
network layer address	data link layer address
NA1	DA1

### (b1) address state of client 1

network layer address	data link layer address
NA2	DA2

## (d1) data link layer address table

data link layer address	network layer address
DA1	NA1
DA2	NA2
DA3	NULL
DA4	NULL

## (a2) address state of server

network layer	data link	
address	layer address	
NA1	DA1	

## (b2) address state of client 1

network layer	data link
address	layer address
NA2	DA3

# (d2) data link layer address table

data link layer address	network layer address
DA1	NA1
DA2	NULL
DA3	NA2
DA4	NULL

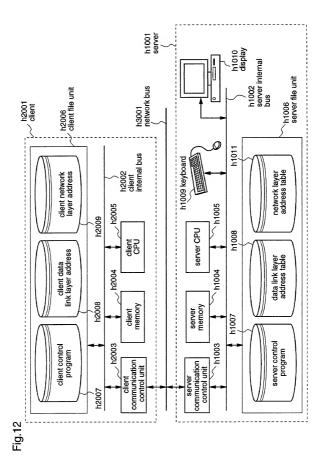
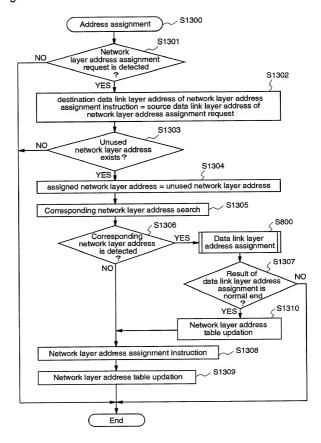
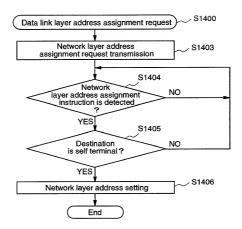


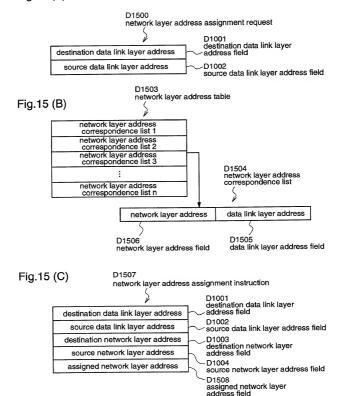
Fig.13





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Fig.15 (A)



data link layer address (a1)address state of server network layer address

DA1

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b1)address state of client 1

data link layer address DA2 network layer address NA2

c1)address state of client 2

data link layer address DA2 network layer address N

(d1)data link layer address table

address	NA1	NA2	NOLL	NOLL
data iirik layer address	DA1	DA2	DA3	DA4

network (e1)netwo

(e2)	_				
stwork layer address table	data link layer address	DA1	DA2	NOLL	NOLL
etwork layer	work layer address	NA1	NA2	NA3	NA4

NA2 NA3 NA4

and to stoke eachber (Oc.)

or server	data link layer address	DA1
(az)address state of server	network layer address	NA1

(b2)address state of client 1

ē

data link lay address	DA3	
network layer address	NA2	

(c2)address state of client 2

network layer address	data link layer address
NOLL	DA2

(d2)data link layer address table

network layer address	NA1	NULL	NA2	NOLL
data link layer address	DA1	DA2	DA3	DA4

data link layer address network layer address table DA1 network layer address Ā

of client 1	(h3)address state of client 1
DA1	NA1
data link layer address	network layer address
of server	(a3)address state of server

data link layer address DA3 (b3)address state of client 1 network layer address NA2

data link layer address DA2 c3)address state of client 2 network layer address NA3

(d3)data link layer address table data link layer | network layer

address	NA1	NA3	NA2	NOLL
address	DA1	DA2	DA3	DA4

(e3)network layer address table

address	DA1	DA3	DA2	NOLL
address	NA1	NA2	NA3	NA4

NOL DA3 Ħ

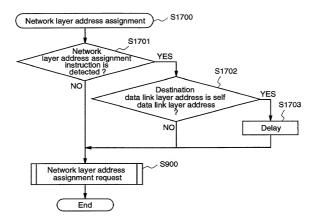


Fig.18

(a1)address state of server	te of server	(a2)address state of server	te of server	(a3)address state of server	te of server	(a4)address state of server	e of server
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NA1	DA1	NA1	DA1	NA1	DA1	NA1	DA1
(b1)address state of client 1	te of client 1	(b2)address state of client 1	te of client 1	(b3)address state of client	te of client 1	(b4)address state of client 1	e of client 1
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NOLL	DA2	NA2	DA2	NA2	DA3	NA2	DA3
(c1)address state of client 2	te of client 2	(c2)address state of client 2	e of client 2	(c3)address state of client 2	e of client 2	(c4)address state of client 2	e of client 2
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address
NULL	DA2	NULL	DA2	NULL	DA2	NA3	DA2
(d1)data link layer address table	le ole	(d2)data link layer address table	e le	(d3)data link layer address table	ē ē	(d4)data link layer address table	er le
data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address
DA1	NA1	DA1	NA1	DA1	NA1	DA1	NA1
DA2	NOLL	DA2	NA2	DA2	NOLL	DA2	NA3
DA3	NOLL	DA3	NOLL	DA3	NA2	DA3	NA2
DA4	NULL	DA4	NOLL	DA4	NOLL	DA4	NULL
(e1)network lay.	er address table	(e2)network laye	er address table	(e3)network laye	e1)network layer address table (e2)network layer address table (e3)network layer address table	(e4)network layer address table	er address table
network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address	network layer address	data link layer address

DA1 DA2 NULL

NA3 NA4

DA1

DA3 NULL NULL

NA2 NA3

DA1 DA2 NULL

NA2 NA3

NA2 NA3

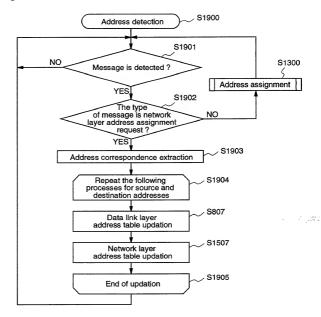
NA4

NA4

DA1 NULL NULL

A A

Fig.19



(a1)address state of server

data IINK layer	+
network layer	NA1

(b1)address state of client 1

data link layer address DA3 network layer address NA3

data link layer address c1)address state of client 2 network layer address

(d1)data link layer address table DA3 NA2

network layer address NULL NULL ¥ NA2 data link layer address DA<sub>2</sub> DA3 DA1 DA4

(e1)network layer address table

data link layer address	DA1	DA2	NULL	NOLL
network layer address	NA1	NA2	NA3	NA4

not populate of senier

OI SELVEL	data link layer address	DA1
(azjaduress state of server	network layer address	NA1

data link layer address DA3 b2)address state of client 1 network layer address NA3

data link layer address DA3 c2)address state of client 2 network layer address NA2

(d2)data link layer address table

network layer address	NA1	NA2	NA3	NOLL
data link layer address	DA1	DA2	DA3	DA4

data link layer address e2)network layer address table DA1 DA2 DA3 network layer address ¥ NA2 NA3

NOLL

¥₩

of server	data link layer address	DA1
3)address state of server	network layer address	NA1

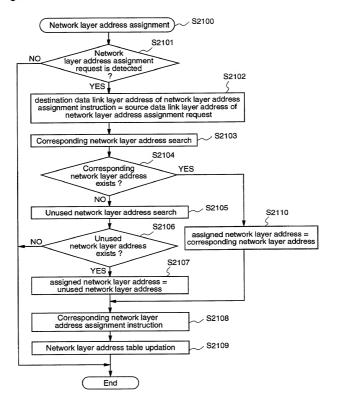
data link layer address DA3 (b3)address state of client 1 network layer address NA3

data link layer address DA3 c3)address state of client 2 network layer address NA2

network layer address d3)data link laver address table NULL NULL NA1 NA2 data link layer address DA2 DA3 DA1 DA4

data link layer address (e3)network layer address table DA3 NOLL TI N DA1 network layer address NA2 NA3 NA4 ¥

Fig.21 Prior Art



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